

Course Description Form

1. Educational Institution:
Northern Technical University / Nimrud Technical Institute
2. Academic Department:
Principles of general nutrition
3. Course Title:
Animal production
4. Course Code:
TNT110
5. Level / Academic Year:
First / 2025–2026
6. Date of Description Preparation:
22/10/2025
7. Available Attendance Modes:
In-person
8. Total Credit Hours / Units:
60 hours (2 theoretical + 2 practical) × 15 weeks
9. Course Coordinator (All names if multiple):
Name: Waseem Amer Hashem Email: wasseem_amrt@ntu.edu.iq
10. Course Objectives:
1. Providing the community with qualified specialists committed to professional ethics in the field of therapeutic nutrition. 2. Contributing to raising the level of medical and health awareness in the community. 3. Supporting and encouraging scientific research and providing a stimulating environment for teaching and learning in the field of therapeutic nutrition, in accordance with quality standard and academic accreditation. 4. Strengthening partnerships with relevant local and international institutions in the field of therapeutic nutrition.
11. Teaching and Learning Strategies:
• Dialogue and discussion strategy. • Brainstorming. • Self-learning.

- Assigning collaborative group work.
- Assigning reports.

12.Course Structure:

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4 Hours (1Theory+2 2 Practical)	Definitions of general nutrition		Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written practical and daily assessments and scientific reports.
2	4 Hours (1Theory+2 2 Practical)	Essential elements of general nutrition	Diseases related to protein deficiency	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports.
3	4 Hours (1Theory+2 2 Practical)	Strategies for general nutrition	Film, video presenting about the food requirement application	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
4	4 Hours (1Theory+2 2 Practical)	Nutritional Requirements	Film, video presenting about the types of diet therapy	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
5	4 Hours (1Theory+2 2 Practical)	Estimation of energy requirement	Seminar discussion about the nutritional needs during infancy	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
6	4 Hours (1Theory+2 2 Practical)	Assessment of nutritional status (part 1)	Seminar discussion about the nutritional needs during adolescents	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
7	4 Hours (1Theory+2 2 Practical)	Assessment of nutritional status (part 2)	Visits to azad hospital nutritional center	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
8	4 Hours (1Theory+2 2 Practical)	Diet Therapy, principles, objectives, types	Film, video presenting about the main aspects of therapeutic nutrition	Presentation, explanation, Q&A, interactive discussion, self-learning.	Written examination
9	4 Hours (1Theory+2 2 Practical)	therapeutic nutrition for obesity	Seminar discussion about the nutritional	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports

			needs during adult hood period		
10	4 Hours (1 Theory+2 2 Practical)	therapeutic nutrition for diabetes mellitus	Seminar discussion about the nutritional needs during elderly period	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
11	4 Hours (1 Theory+2 2 Practical)	therapeutic nutrition for hypertension	Film, video presenting about the types of diet therapy in obesity	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
12	4 Hours (1 Theory+2 2 Practical)	therapeutic nutrition for chronic renal diseases	Film, video presenting about the types of diet therapy in fever, infection	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
13	4 Hours (1 Theory+2 2 Practical)	therapeutic nutrition for cardiac diseases	Visit to kirkuk - general hospital nutritional center	Presentation, explanation, Q&A, interactive discussion, self-learning	Written examination
14	4 Hours (1 Theory+2 2 Practical)	therapeutic nutrition for respiratory failure	Seminar discussion about the nutritional needs during surgical operation	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports
15	4 Hours (1 Theory+2 2 Practical)	Discussion, review	Final exam	Presentation, explanation, Q&A, interactive discussion, self-learning	Oral, written and practical daily assessments and scientific reports

3. Course Evaluation

Grade distribution out of 100 according to the tasks assigned to the student, such as daily preparation, daily oral tests, monthly or written exams, reports, etc

4. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Electronic References, Websites	Fundamentals of Dietetics - Abd El , Karim Merhi

رئيس القسم
د. محمد عزيز



رئيس اللجنة العلمية
د. د. شيا عبد الزاق عبد الله